

## AMENDMENT TO THE CLAIMS

This listing of claims replaces all prior versions and listings of all claims in the application:

1. (currently amended) A method of modifying a metallic surface comprising contacting the metallic surface with an asymmetric monolayer forming species having the formula:



with an asymmetric monolayer forming species having the formula:

wherein

A is an attachment linker moiety;

MFS is a ~~monolayer~~ monolayer forming species; and

AG is an electroconduit forming species.

2. (currently amended) A method according to claim 1 further comprising contacting said metallic surface with a biological species having the formula:

A-MFS-capture ~~biding~~ binding ligand

wherein

A is an attachment linker; and

MFS is a monolayer forming species.

3. (original) A method according to claim 2 wherein said capture binding ligand is a nucleic acid.

4. (currently amended) A method according to claim 2 wherein said capture binding ligand is a [[n]] protein.

5. (original) A method according to claim 1 wherein A is sulfur.

6. (original) A method according to claim 1 wherein said metallic surface is gold.

7. (original) A method according to claim 1 wherein said MFS is an insulator.

8. (original) A method according to claim 7 wherein said insulator comprises an alkyl group from about 7 to 20 carbons.
9. (original) A method according to claim 8 wherein said alkyl group comprises a heteroalkyl.
10. (original) A method according to claim 8 wherein said alkyl group comprises a substituted alkyl.
11. (original) A method according to claim 1 wherein said AG comprises an alkyl group from about 1 to 6 carbons.
12. (currently amended) A method according to claim 1 or 11 wherein said AG is branched, having the formula:



wherein R<sub>3</sub> through R<sub>5</sub> are independently selected from the group consisting of hydrogen, alkyl, aryl, alcohol, amine, amido, nitro, ether, ester, ketone, imino, aldehyde, alkoxy, carbonyl, halogen, sulfur containing moiety and phosphorus containing moiety[[:]].

13. (original) A method according to claim 12 wherein said AG is attached to said attachment linker via a (CH<sub>2</sub>)<sub>n</sub> group, wherein n is an integer from 0 to 4.
14. (original) A method according to claim 12 wherein said AG is attached directly to said attachment linker.